|          |      | E to recurent  |  |                     |         |                  |
|----------|------|--|--|---------------------|---------|------------------|
| Ref<br># | Hits | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp       |
| \$38     | 0    | jiang.inv. and liu.inv. and layer-by-layer   | US-PGPUB;<br>USPAT;<br>USOOR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:27 |
| S39      | 79   | llu.inv. and layer-by-layer  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:28 |
| S40      | 5555 | electrostatic and (layer-by-layer or<br>self-assembl\$4 or self assembl\$4)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:29 |
| S41      | 1138 | electrostatic same (layer-by-layer or<br>self-assembl\$4 or self assembl\$4)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:30 |
| S42      | 614  | electrostatic with (layer-by-layer or<br>self-assembl\$4 or self assembl\$4)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:30 |
| S43      | 251  | S42 and (@ad<"20020722" or @pd<: '20020722" or @pd<: '20020722" or @prad< ''20020722") | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:31 |
| S44      | 169  | S43 and (revers\$4 or releas\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:32 |
| S45      | 5    | *624993".ap.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/11/10 10:35 |

| S46 | 1   | S45 and charge balance   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 10:35 |
|-----|-----|--|--|-----|----|------------------|
| S47 | 0   | S44 and charge balance   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 11:14 |
| S48 | 3   | S44 and (charge with balance)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 11:15 |
| S49 | 1   | S45 and hydrogen bond\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 11:57 |
| S50 | 25  | granick.inv.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 15:28 |
| S51 | 99  | lysozyme and (polyelectrolyte or polyacid or polybase) and (multi-layer or multilayer or layer-by-layer)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:02 |
| S52 | 48  | S51 and (@ad< "20020722" or<br>@pd< "20020722" or @rlad< "20020722" or<br>@prad< "20020722")                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:02 |
| S53 | 222 | (immunoglobulin or igg) and<br>(polyelectrolyte or polyacid or polybase)<br>and (multi-layer or multilayer or<br>layer-by-layer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:04 |

| S54         | 9   | (immunoglobulin or igg) same<br>(polyelectrolyte or polyacid or polybase)<br>same (multi-layer or multilayer or<br>layer-by-layer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:04 |
|-------------|-----|--|--|-----|----|------------------|
| S55         | 120 | bioactive same polyelectrolyte   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 22:16 |
| S56         | 96  | S55 and (multi-layer or multilayer or layer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 22:19 |
| S57         | 37  | S56 and (@ad<"20020722" or<br>@pd<"20020722" or @rlad<"20020722" or<br>@prad<"20020722")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 22:20 |
| S58         | 1   | "624993".ap. and bioactive   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 23:23 |
| S59         | 1   | *624993*.ap. and embedded  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 23:43 |
| <b>S</b> 60 | 1   | *624993*.ap. and (macromolecule with polymer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 23:43 |
| S61         | 2   | us-20040213834-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/15 20:48 |

| S62 | 2 | us-20020061326-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DEHWENT | ADJ | ON  | 2008/11/15 20:49 |
|-----|---|------------------------|--|-----|-----|------------------|
| S63 | 1 | ("7094256").PN.        | USPAT;<br>USOCR  | OR  | OFF | 2008/11/15 21:06 |

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